|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Natural water | Carbon based nanomaterial | *D*h (nm) | PDI | EPM (10-8 m2/V-s) |
| Lake Waccamaw | GO | 466.1 ± 11.1 | 0.52 ± 0.08 | -2.29 ± 0.03 |
| rGO | 762.9 ± 77.9 | 0.58 ± 0.04 | -1.91 ± 0.02 |
| MWCNT | 308.5 ± 10.4 | 0.49 ± 0.01 | -2.08 ± 0.03 |
| Yadkin River | GO | 461.5 ± 71.6 | 0.53 ± 0.08 | -2.44 ± 0.06 |
| rGO | 920.3 ± 35.6 | 0.42 ± 0.07 | -2.04 ± 0.09 |
| MWCNT | 2170 ± 552 | 0.95 ± 0.08 | -2.28 ± 0.03 |
| Lake Barco | GO | 393.3 ± 7.34 | 0.46 ± 0.01 | -2.98 ± 0.07 |
| rGO | 681.0 ± 30.4 | 0.43 ± 0.03 | -2.47 ± 0.05 |
| MWCNT | 5009 ± 2258 | 1.0 ± 0 | -2.32 ± 0.07 |